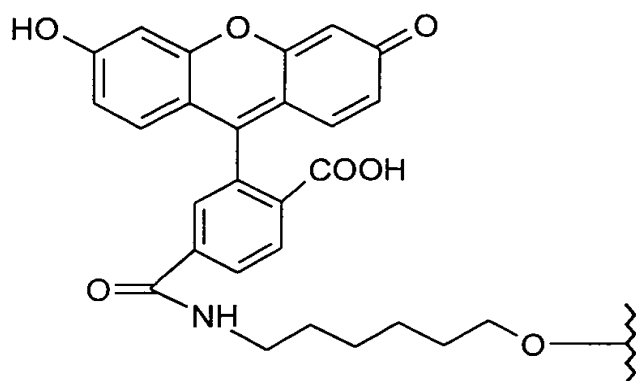
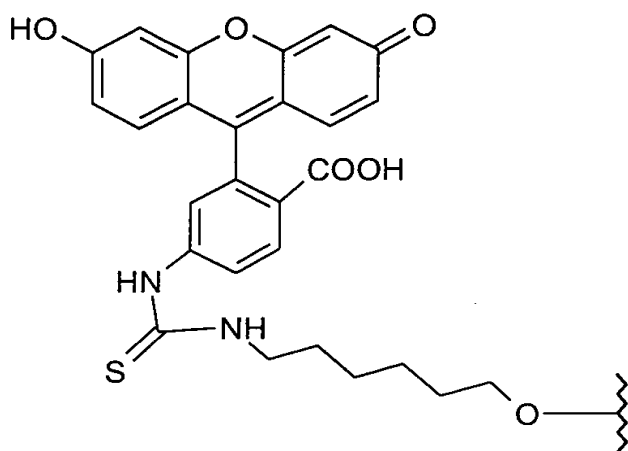


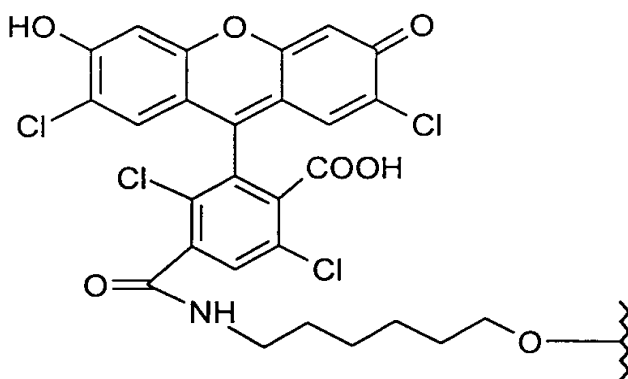
Fig. 1a:



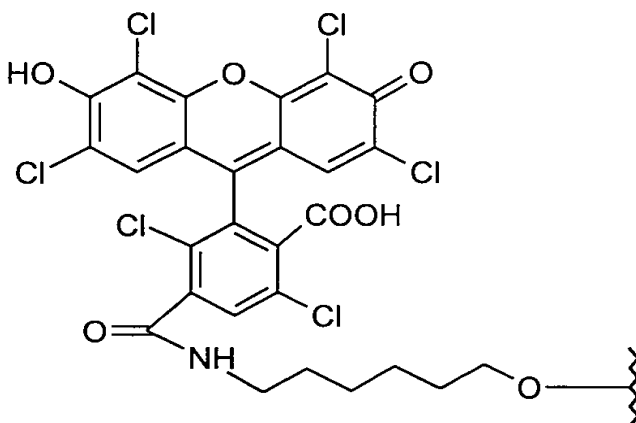
Fluorescein (Amide)



Fluorescein (Thiourea)



Tetrachlorofluorescein



Hexachlorofluorescein

Fig. 1b:

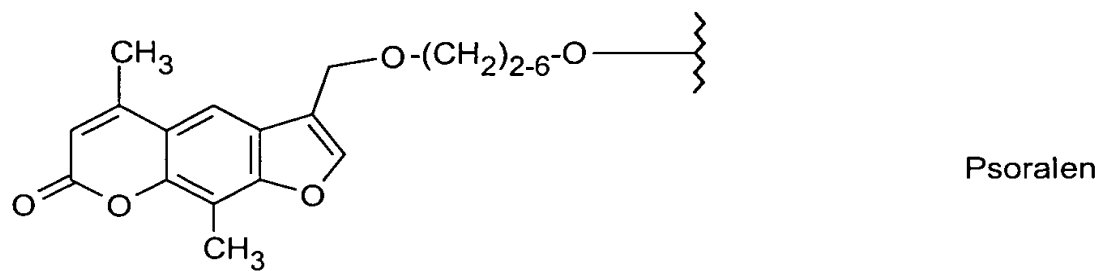
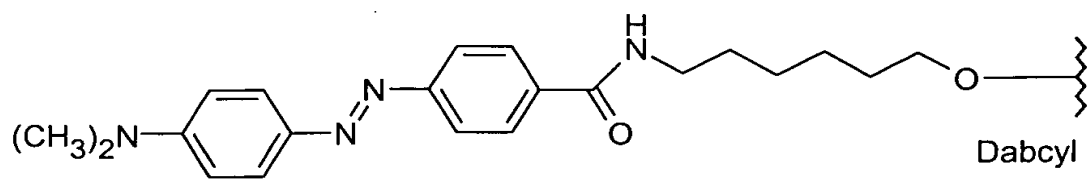
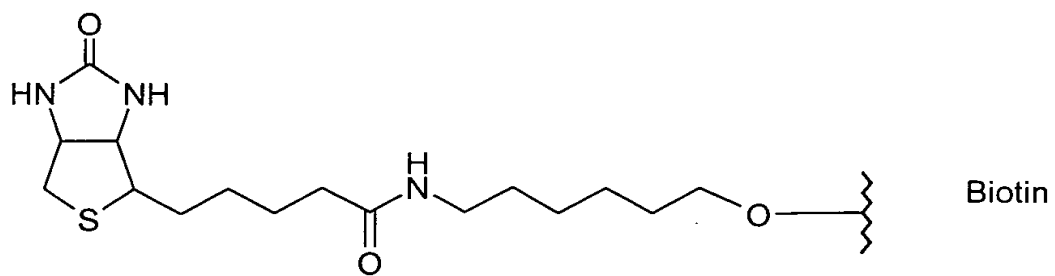


Fig. 2a:

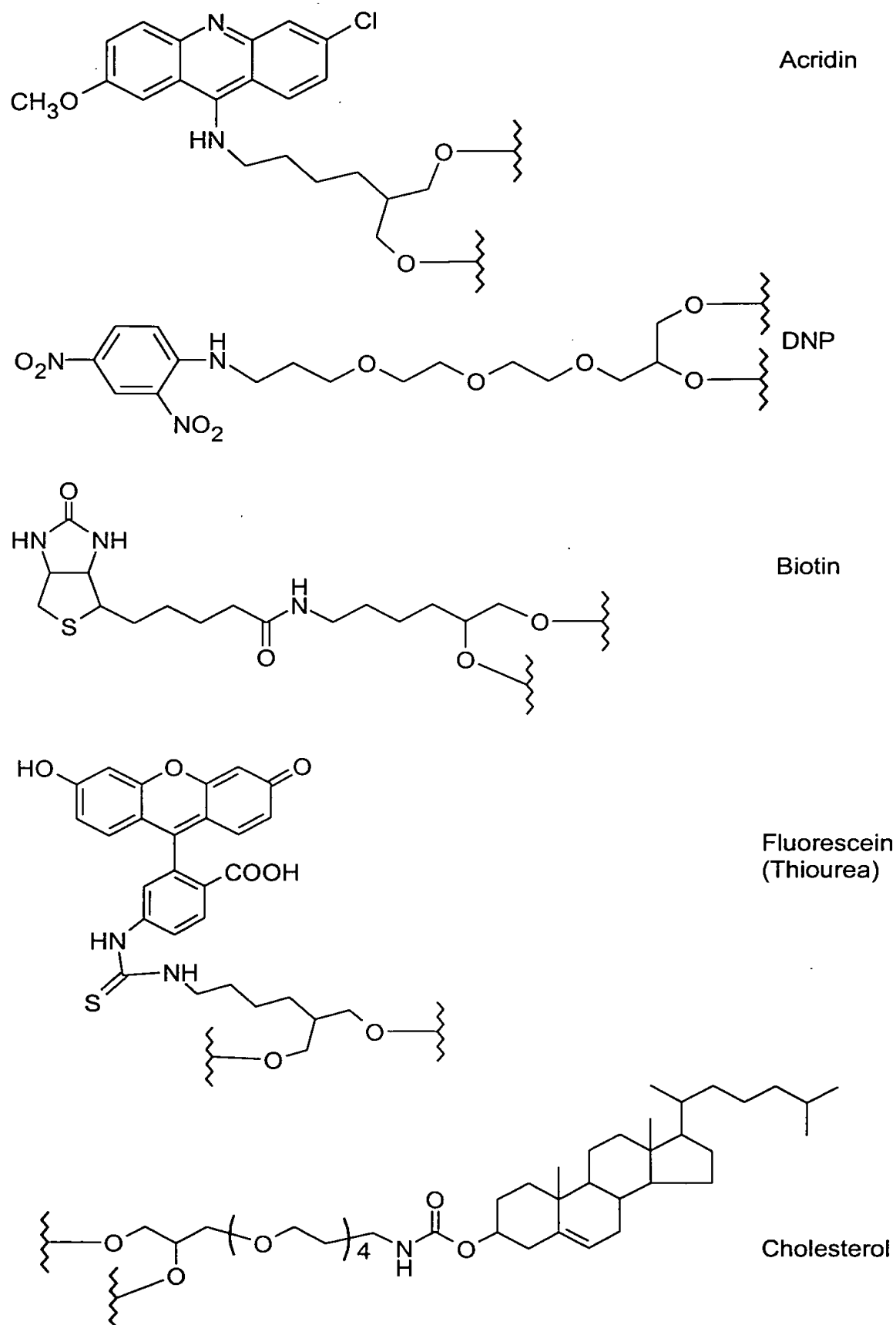


Fig. 2b:

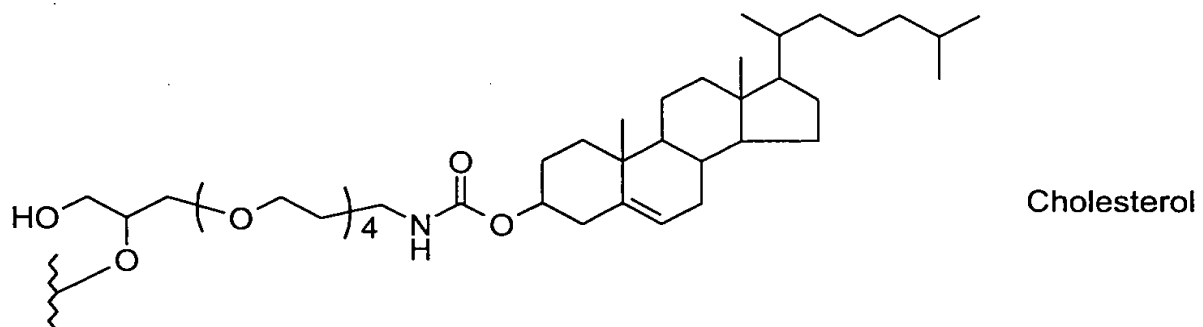
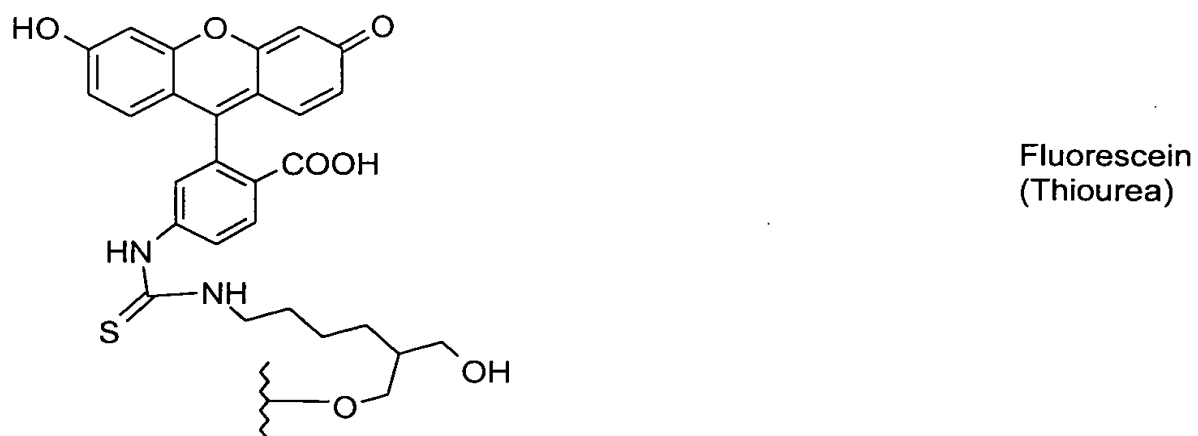
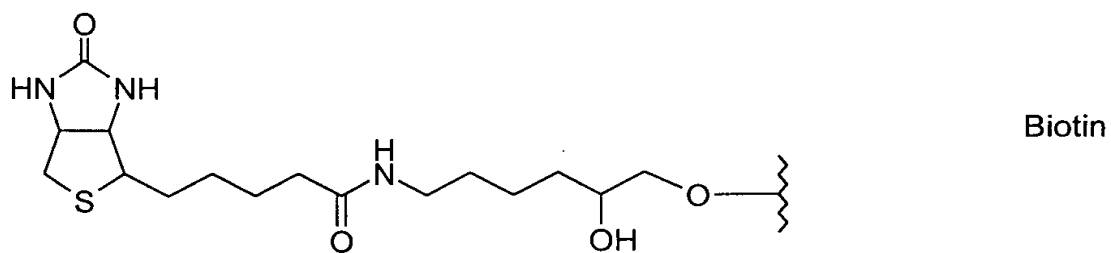
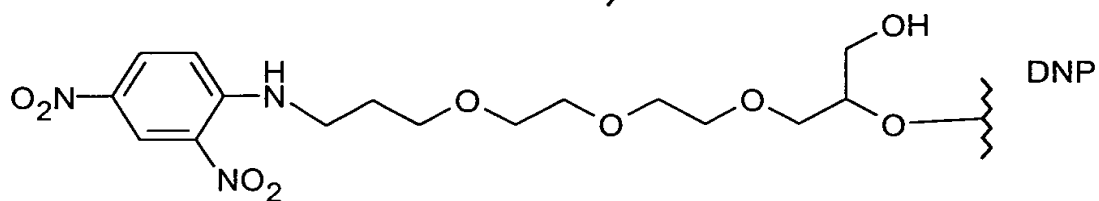
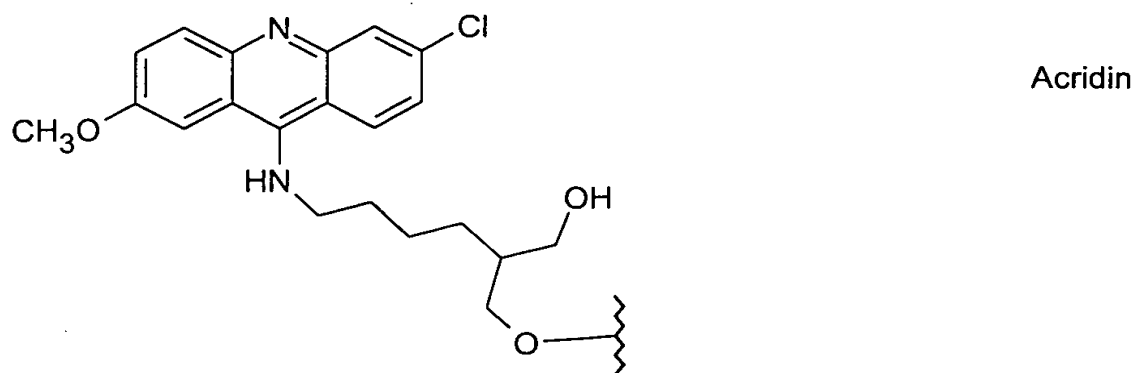
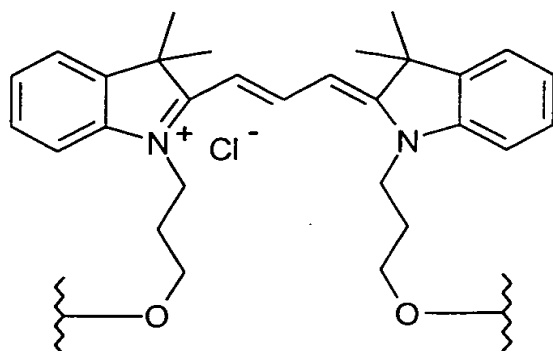
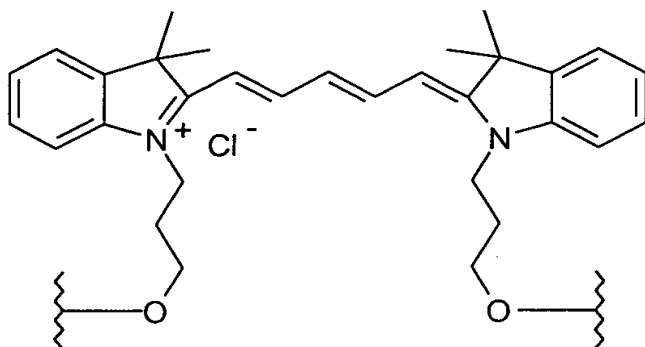


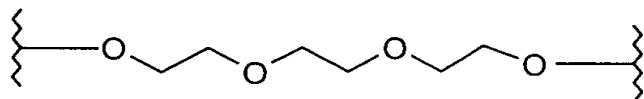
Fig. 3a:



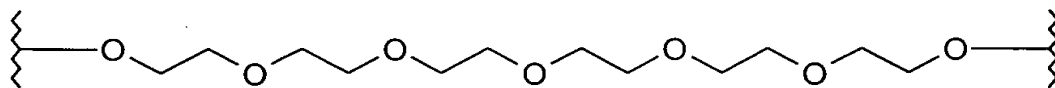
Cy3



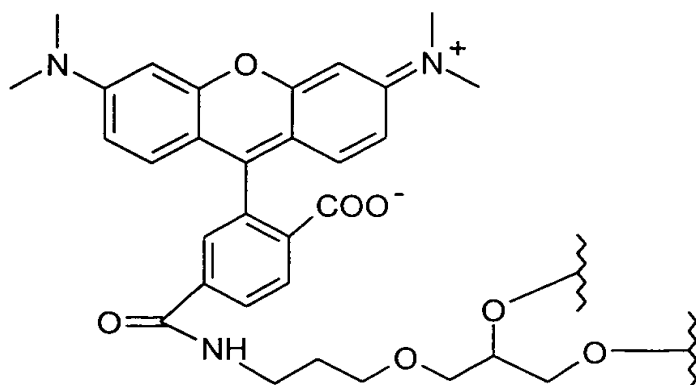
Cy5



Spacer-9



Spacer-18



TAMRA

Fig. 3b:

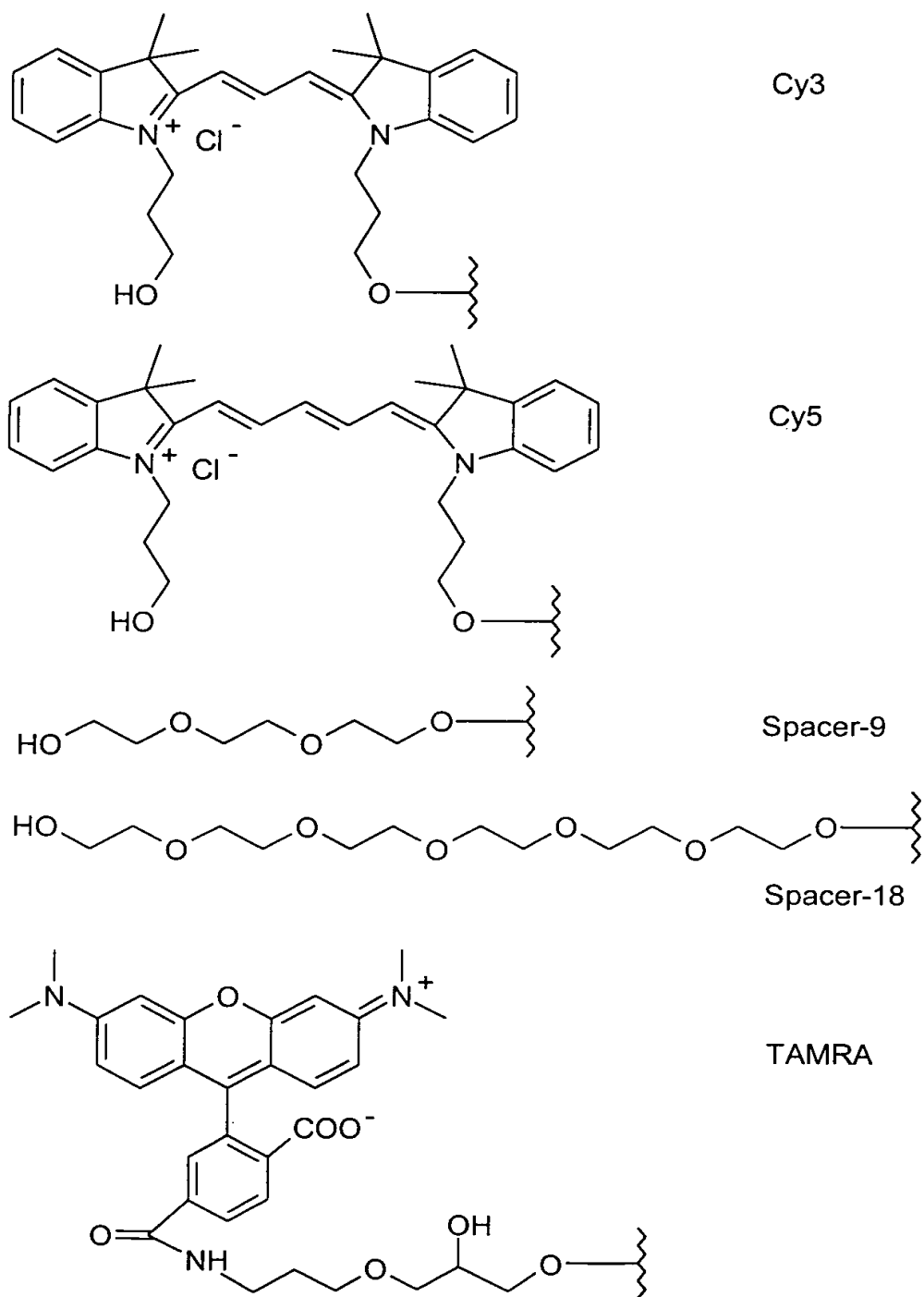
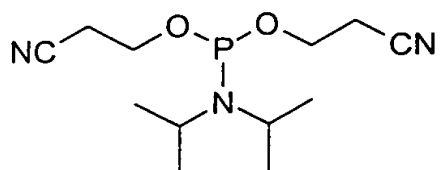
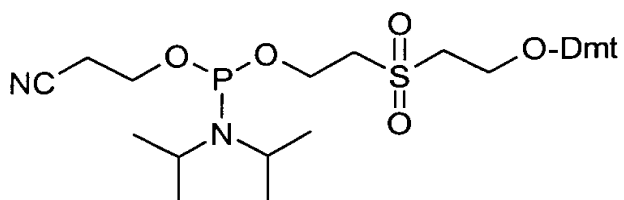


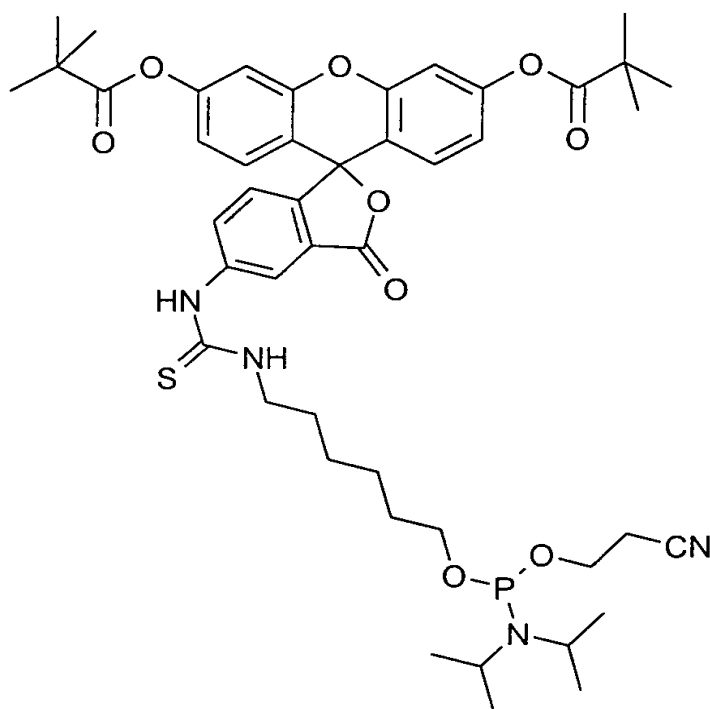
Fig. 4a:



Phosphorylating reagent 1

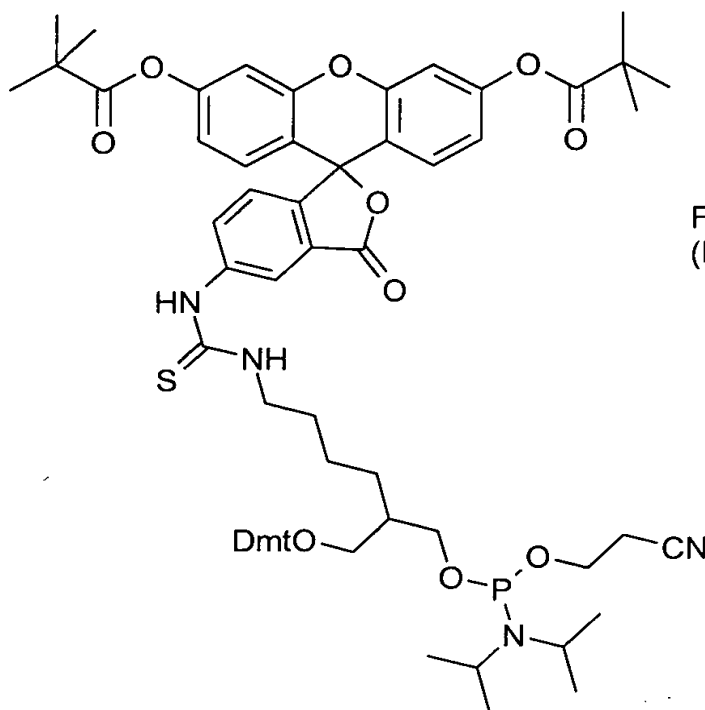


Phosphorylating reagent 2

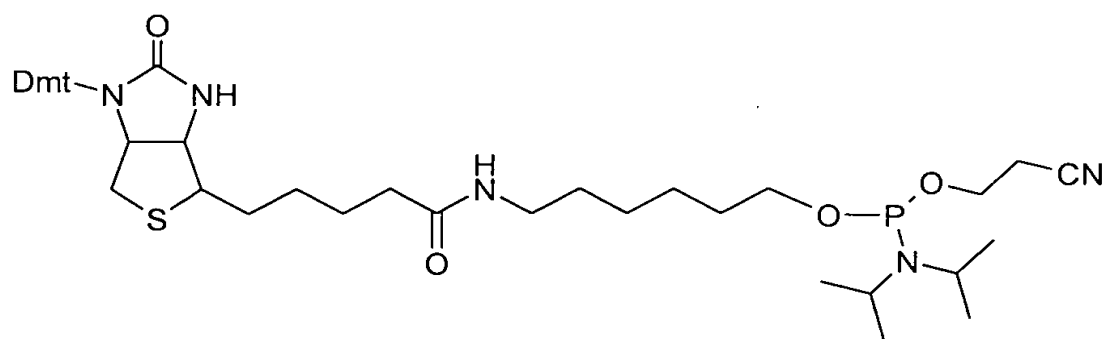


Fluorescein phosphoramidite 3
(monofunctional)

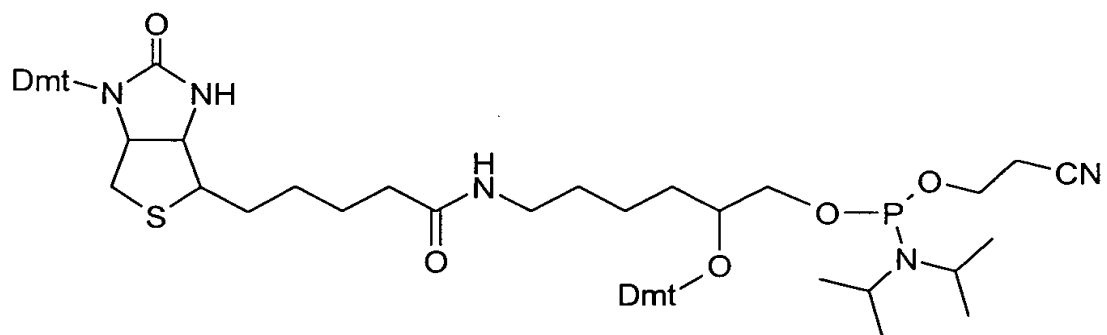
Fig. 4b:



Fluorescein phosphoramidite 4
(bifunctional)

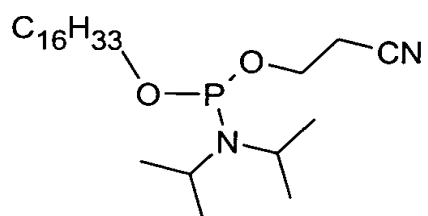


Biotin phosphoramidite 5 (monofunctional)

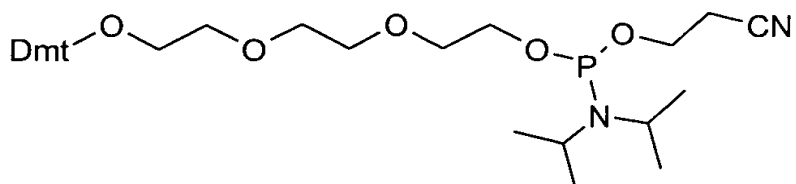


Biotin phosphoramidite 6 (bifunctional)

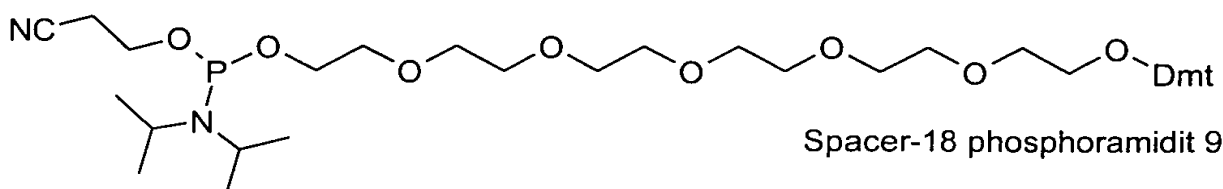
Fig. 4c:



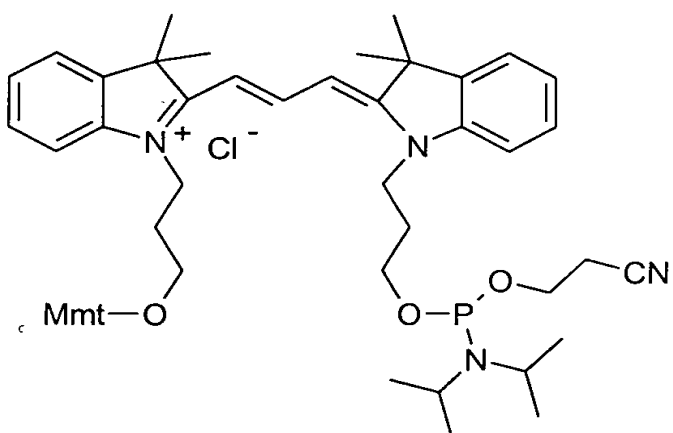
C16-phosphorylating reagent 7



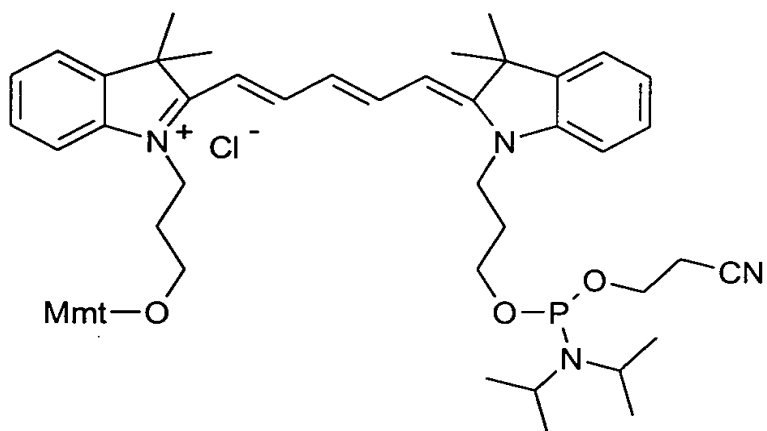
Spacer-9 phosphoramidit 8



Spacer-18 phosphoramidit 9

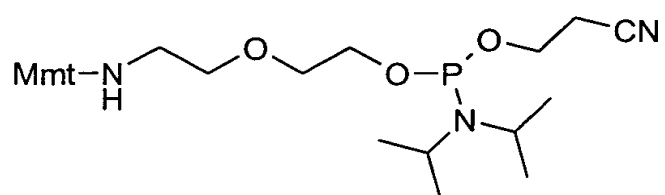


Cyanin-3 phosphoramidit 10

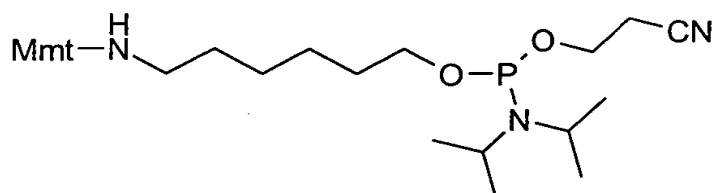


Cyanin-5 phosphoramidit 11

Fig. 4d:



Aminomodifier-5
phosphoramidite 12



Aminomodifier-C6
phosphoramidite 13

Fig. 5a:

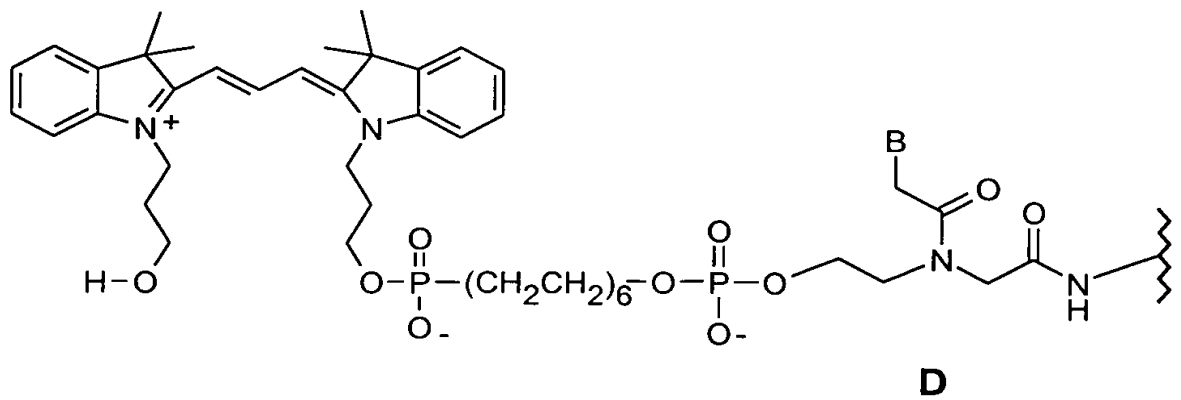
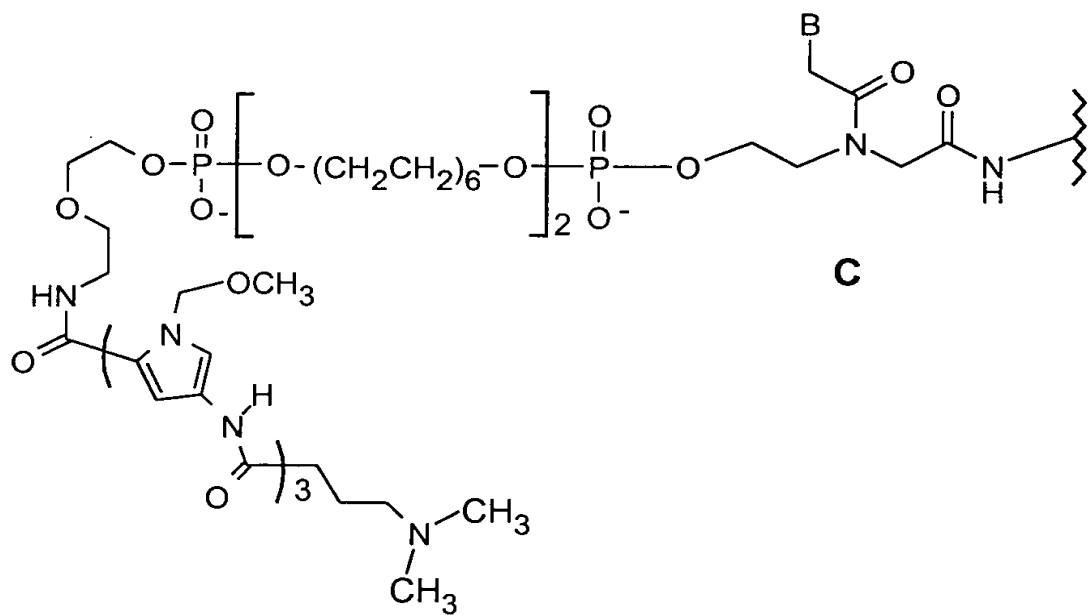
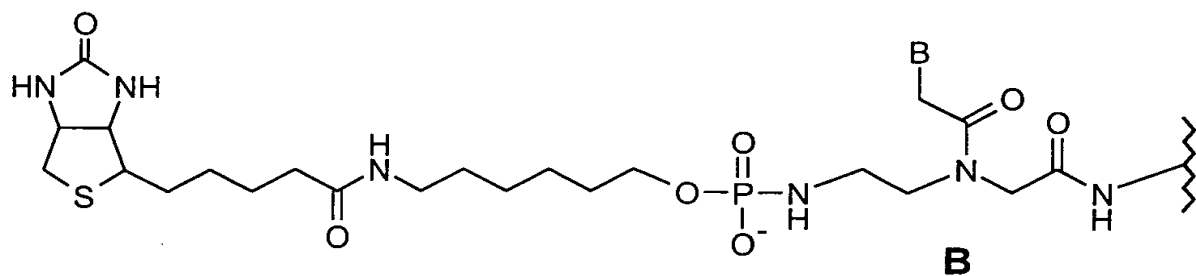
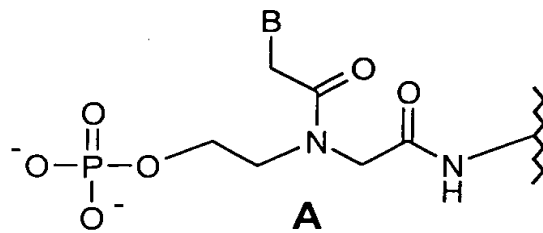


Fig. 5b:

